

Abstract

Sub 22 Method for producing a rim hole.

With previously known riveting methods for joining a pile of plate-shaped work pieces, material of a work piece lying on the outside is pulled through pre-drilled holes of the other work pieces and subsequently the part of the rim hole protruding out over the latter work piece is flanged. A disadvantage with this is that separate pre-drilling of work pieces is complicated and expensive. The new process is supposed to reduce the number of work steps, make the individual work steps easier and thus make the process less expensive and more effective. In addition, the connection is supposed to be accomplished flush to the surface.

According to the invention, in a single feed movement of a rim hole punch, both the rim hole is formed from the one work piece as well as the openings in the other work pieces by breaking out one or more pieces of material.

Producing a rim hole.

Fig 4